

## Recombinant Human GPD2 protein, His-tagged

Cat. No. GPD2-2435H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GPD2 protein(5-378 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	5-378 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	KAVKGTLVGGGALATVLGLSQFAHYRRKQMNLAYVKAADCISEPVNREPPSREAQL LTLQNTSEFDILVIGGGATGSGCALDAVTRGLKTALVERDDFSSGTSSRSTKLIHGGV RYLQKAIMKLDIEQYRMVKEALHERANLLEIAPHLSAPLPIMLPVYKWWQLPYYWVGI KLYDLVAGSNCKLSSYVLSKSRALEHFPMLQKDKLVGAIVYYDQGHN DARMNLAIAL TAARYGAATANYMEVVSLKKTDPQTGKVHVSGARCKDVL TGQEFDVRAKCVINAT GPFTDSVRKMDDKAAAICQPSAGVHIVMPGYSPESMGLLDPATSDGRVIFFLPW QKMTIAGTTDPTDVTTHHIPSEEDINFILNEV
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** GPD2 glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [ Homo sapiens ]

**Official Symbol** GPD2

**Synonyms** GPD2; glycerol-3-phosphate dehydrogenase 2 (mitochondrial); glycerol-3-phosphate dehydrogenase, mitochondrial; GPD-M; mtGPD; GPDH-M; mitochondrial glycerophosphate dehydrogenase; GDH2; GPDM; mGPDH;

**Gene ID** 2820

**mRNA Refseq** NM\_000408

**Protein Refseq** NP\_000399

**MIM** 138430

**UniProt ID** P43304

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